

Title (en)
SYSTEM FOR FLUORESCENCE-BASED LASER ABLATION

Title (de)
SYSTEM ZUR FLUORESZENZBASIERTEN LASERABLATION

Title (fr)
SYSTÈME D'ABLATION LASER À BASE DE FLUORESCENCE

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Application
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Abstract (en)
[origin: WO2016054217A1] In an embodiment, an apparatus and method are described for ablating tissue in response to determining a fluorescence condition. An excitation light source may produce excitation light at an excitation wavelength of a fluorophore. A beam scanner may direct the excitation light towards a tissue location. A fluorophore may produce emission light in response to absorbing the excitation light. A camera may capture an image of the tissue location. In response to the image indicating emission light at the tissue location, an ablation light source may produce ablation light. The beam scanner may direct the ablation light towards the tissue location. Additionally or alternatively, a topography map may be generated and certain aspects of the apparatus and/or the method may be adjusted based on the topography map.

IPC 8 full level
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